UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (date of earliest event reported): September 14, 2004

XILINX, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) **0-18548** (Commission File Number) 77-0188631 (IRS Employer Identification No.)

95124 (Zip Code)

Registrant s telephone number, including area code: (408) 559-7778

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

2100 Logic Drive, San Jose, California

(Address of principal executive offices)

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o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 7.01 Regulation FD Disclosure

On September 14, 2004, Xilinx, Inc. issued a press release announcing a business update for the second fiscal quarter. A copy of this press release is furnished as Exhibit 99.1 to this report.

Item 9.01

Financial Statements and Exhibits:

(c) Exhibits.

Exhibit No.Description99.1Press Release of Xilinx, Inc., dated September 14, 2004.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

XILINX, INC.,

By:

Date: September 14, 2004

/s/ Thomas R. Lavelle Thomas R. Lavelle Vice President and General Counsel

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EXHIBIT INDEX

Exhibit No.

Description

99.1 Press Release of Xilinx, Inc. dated September 14, 2004.

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